

In the claims:

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1. (Currently Amended) A method of voice and GPS satellite constellation positional location data radio communication over a cellular phone network having cellular radio voice and control channel paths separately communicating with a network operations control center, that comprises, user voice-calling the control center, from a portable cellular telephone location over the cellular voice path, requesting location information services; upon user verification, sending a radio signal from the control center over the control channel path to be received at said location; providing a radio transponder and GPS receiver and microprocessor module at said location; activating the GPS receiver, in response to receipt of said radio signal, to receive and process location data from the GPS satellite constellation for the vehicle and to activate the transponder to transmit the processed location data over the data channel path to said control center; associating the transmitted location data with the user voice call request at the control center; and sending location services information from the control center to the user.
2. (Original) The method of claim 1 where said user location is in a vehicle, and the said module is provided in the vehicle.
3. (Original) The method of claim 1 wherein said user is a pedestrian or is located at another personal user location at which the user is provided with a personal cellular phone and said module.
4. (Original) The method of claim 1 wherein said associating of location data received over the control channel path with the voice call received over the cellular voice path is effected by PIN information at the control center.
5. (Original) The method of claim 2 wherein the vehicle is further provided with movement/tampering alarm sensing; and, in response to such sensing, and apart from the presence or absence of the user at the vehicle, activating the vehicle GPS-transponder module to receive and process GPS location data for the vehicle and to transmit the data with vehicle user identification as an alarm over the control channel path to said control center; associating the transmitted location alarm received at the control center with a

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phone pre-designated by the vehicle by user; and calling the alarm from the control center to that phone.

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6. (Original) A method of radio communication over a cellular phone network between a vehicle location and an operations control center of a cellular phone network having a control channel path, that comprises, sensing unauthorized movement/tampering at the vehicle; providing a GPS receiver-radio transponder module at said vehicle location; in response to such sensing, and apart from the presence or absence of a user at the vehicle, activating the GPS-receiver transponder module to receive and process GPS location data for the vehicle, and transmitting said data with vehicle user identification as an alarm over the network control channel path to said control center; associating the transmitted location alarm data received at the control center with a phone pre-designated by the vehicle user; and calling the alarm from the control center to that phone.

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7. (Original) A system for voice and positional location data radio communication over a cellular phone network having cellular radio voice and control channel paths separately communicating with a network operations control center, the system having, in combination, a portable cellular telephone for user voice-calling to the control center over the cellular voice path, for requesting user location information services; means operable upon user identification, for sending a radio signal from the control center over the control channel path to be received at the user location; a radio-transponder GPS receiver and microprocessor module disposed at said location; means for activating the GPS receiver of the module in response to receipt of said radio signal, to receive and process location data from the GPS satellite constellation for the vehicle and to activate the transponder to transmit the processed location data over the control channel path to said control center; and means for sending location services information from the control center to the user upon associating the transmitted locations data with the user voice call request.

8. (Original) The system of claim 7 wherein said user location is in a vehicle, and the said module is provided in the vehicle.

9. (Original) The system of claim 7 wherein said user is a pedestrian or is located at another personal user location at which the user is provided with a personal cellular phone and said module.
10. (Original) The system of claim 7 wherein said associating of location data received over the control channel path with voice call received over the cellular voice path is effected by PIN information means at the control center.
11. (Original) The system of claim 8 wherein the vehicle is further provided with movement/tampering alarm sensing means; and means operable in response to such sensing, and apart from the presence or absence of the user at the vehicle, for activating the vehicle GPS-transponder module to receive and process GPS location data for the vehicle and to transmit the data with vehicle user identification as an alarm along the control channel path to said control center; and means for associating the transmitted location alarm received at the control center with the phone pre-designated by the vehicle user; and means for calling the alarm from the control center to that phone.
12. (Original) A system for radio-communication over a cellular phone network between a vehicle location and an operations control center of a cellular phone network having a control channel path, that comprises, means for sensing unauthorized movement/tampering at the vehicle; a GPS receiver-radio transponder module disposed at said vehicle location; means operable in response to such sensing, and apart from the presence or absence of a user at the vehicle, for activating to GPS-receiver transponder module to receive and process GPS location data for the vehicle, and for transmitting said data with vehicle user identification as an alarm over the network control channel path to said control center; means for associating the transmitted location alarm data received at the control center with a phone pre-designated by the vehicle user; and means for calling the alarm from the control center to that phone.
13. (Original) The system as claimed in claim 12 wherein a phone so pre-designated at the control center is carried by or in communication with a further vehicle provided with means for tracking periodic radio reply transmissions from a further transponder provided

in said further vehicle and automatically activated by command activation signals broadcast on the same carrier frequency as the reply transponder signals.

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14. (Previously added-now currently amended) A method of voice and GPS satellite constellation positional location data radio communication over a cellular phone network having a cellular radio voice channel path communicating with a network operations control center and a data radio channel path separately communicating with said network operations control center, the method comprising user voice-calling the control center, from a portable cellular telephone location over the cellular voice path, requesting location and other information services; upon user verification, sending a radio signal from the control center over the data channel path to be received at said location; providing a radio transponder and GPS receiver and microprocessor module at said location; activating the GPS receiver, in response to receipt of said radio signal, to receive and process location data from the GPS satellite constellation for the vehicle and to activate the transponder to transmit processed location data over the data channel path to said control center; associating the transmitted location data with the user voice call request at the control center; and sending location service information from the control center to the user.

15. (Previously added) The method of claim 14 wherein said location services information is sent from the control center over the cellular radio-voice channel path to the user.

16. (Previously added) The method of claim 15 wherein said data channel path uses the control channel path of the cellular voice phone network.

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17. (Previously added-now currently amended) A system for voice and GPS satellite constellational positional location data radio communication over a cellular phone network having a cellular radio voice channel path communicating with a network operations control center, the system having also a data radio channel path separately communicating with the network operations control center, said system having, in combination, a portable cellular telephone for user voice-calling to the control center over the cellular voice path, for requesting user location and other information services; means

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operable upon user identification, for sending a radio signal from the control center over the data channel path to be received at the user location; a radio-transponder GPS receiver and microprocessor module disposed at said location; means for activating the GPS receiver of the module in response to receipt of said radio signal, to receive and process location data from the GPS satellite constellation ~~for the vehicle~~ and to activate the transponder to transmit processed location data over the data channel path to said control center; and means for sending location services information from the control center to the user upon associating the transmitted location data with the user voice call request.

18. (Previously added) The system of claim 17 wherein said location services information is sent from the control center over the cellular radio-voice channel path to the user.
